

Onshore Grab Sample

Sample: DD-17
Sample Taken By: D. Phelps
Sample Collected On: 2/24/09
Splits? N/A

County: Dade
Latitude: 25° 44' 14.4"
Longitude: 80° 09' 08.2"
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	62.382 grams
Total Fines in Sample	0.555 grams
Total Percent Fines	0.88 %

Dry Sieving Summary

Total Sample Weight	61.868 grams
Total Digested Weight	34.197 grams
Total Carbonate Weight	27.671 grams
Total Silica %	55.27 %
Total Carbonate %	44.73 %
Carbonate/Silica Ratio	0.809

General Comments:

None

Description

Worked By: M. Ladle

Pre-Digestion Grain Size Distribution

Onshore Grab Sample

Sample: DD-17

Total Sample Mass: 61.868 grams

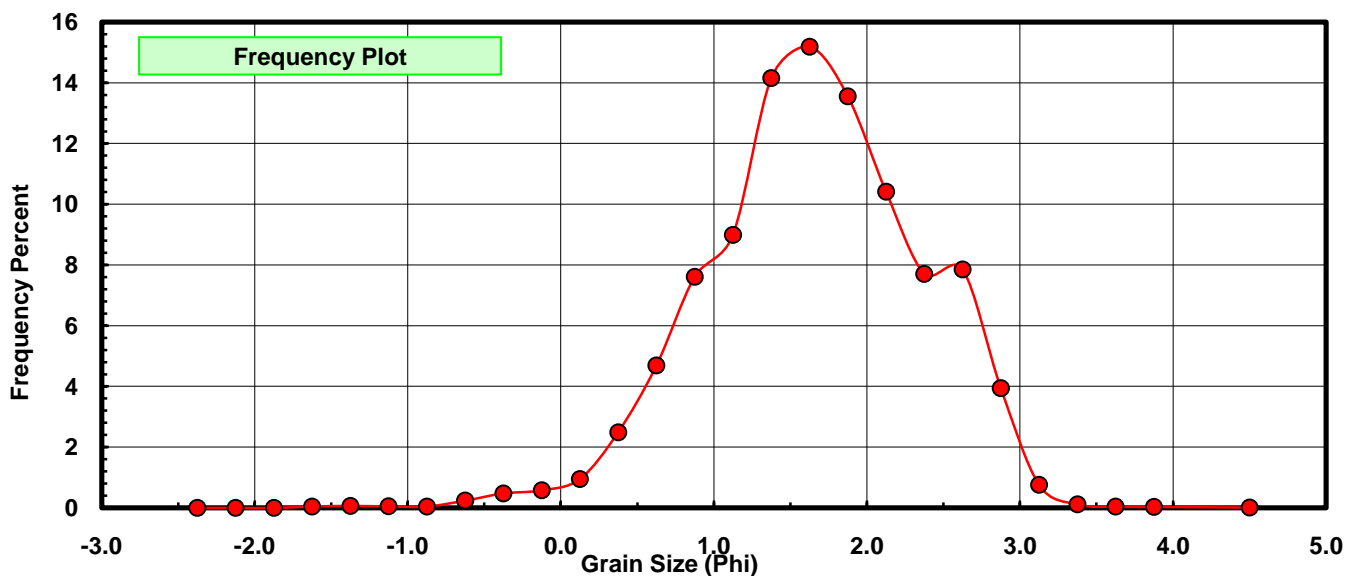
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.028	0.045	0.045
-1.25	-1.375	0.040	0.065	0.110
-1.00	-1.125	0.030	0.048	0.158
-0.75	-0.875	0.028	0.045	0.204
-0.50	-0.625	0.148	0.239	0.443
-0.25	-0.375	0.295	0.477	0.920
0.00	-0.125	0.358	0.579	1.498
0.25	0.125	0.589	0.952	2.450
0.50	0.375	1.541	2.491	4.941
0.75	0.625	2.901	4.689	9.630
1.00	0.875	4.710	7.613	17.243
1.25	1.125	5.565	8.995	26.238
1.50	1.375	8.755	14.151	40.389
1.75	1.625	9.396	15.187	55.576
2.00	1.875	8.386	13.555	69.131
2.25	2.125	6.442	10.412	79.544
2.50	2.375	4.769	7.708	87.252
2.75	2.625	4.859	7.854	95.106
3.00	2.875	2.439	3.942	99.048
3.25	3.125	0.468	0.756	99.804
3.50	3.375	0.070	0.113	99.918
3.75	3.625	0.024	0.039	99.956
4.00	3.875	0.021	0.034	99.990
5.00	4.50	0.006	0.010	100.000

Statistical Results			
Mean:	1.6510	phi	(0.3184 mm)
Standard Dev:	0.7052	phi-units	(0.6134 mm)
Skewness:	-0.3304	dimensionless	
Kurtosis:	3.3408	dimensionless	
5th Moment:	-4.6683	dimensionless	
6th Moment:	24.5916	dimensionless	
RARD *	0.4271	dimensionless	
Median	1.5332	phi	(0.3455 mm)

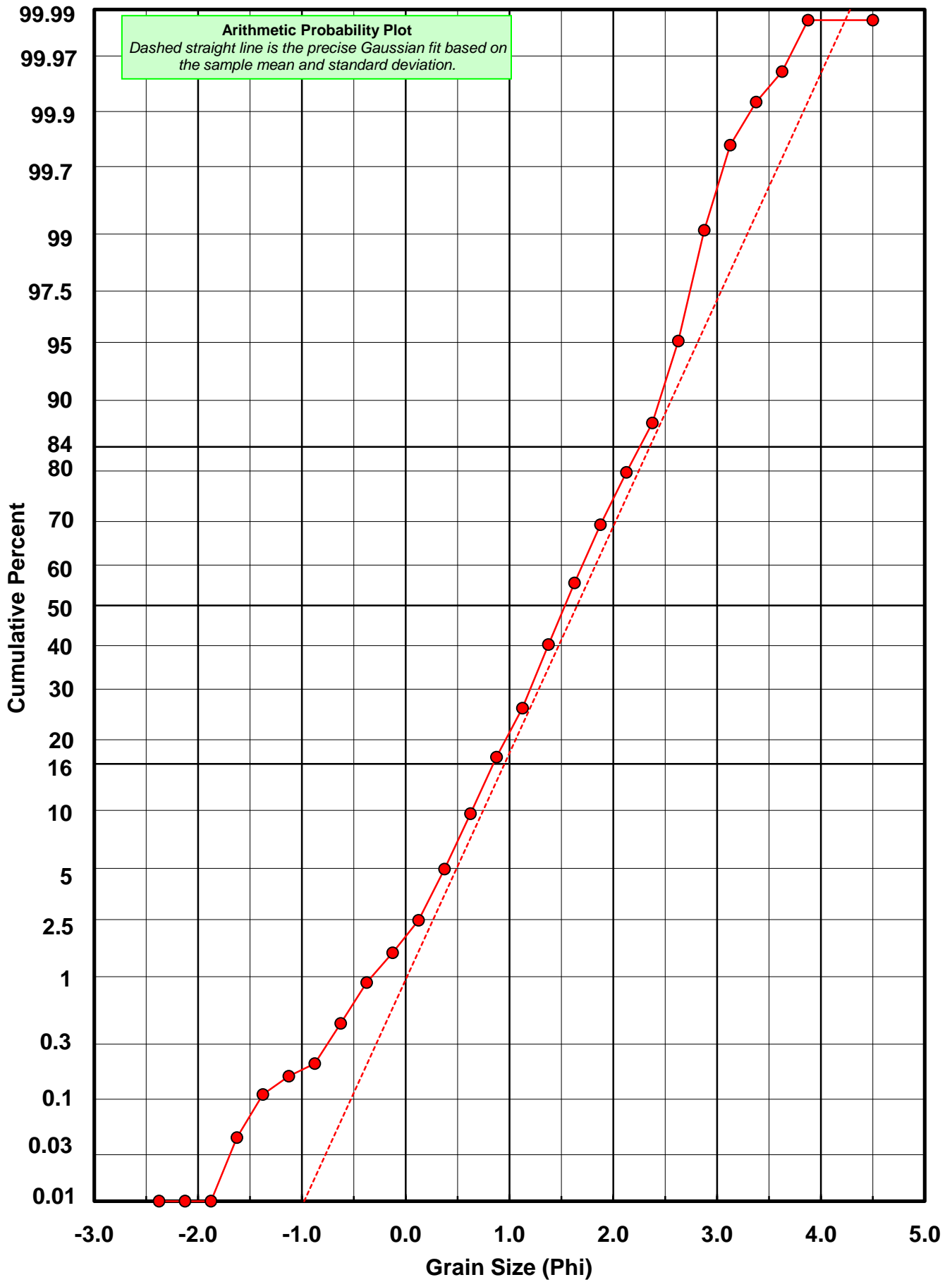
* RARD = reciprocal absolute relative dispersion (see below)

Statistical Explanation
Calculations based on the Method of Moments
Skewness: 3rd Stand. Moment; Exact Gaussian = 0.0
Kurtosis: 4th Stand. Moment; Exact Gaussian = 3.0
For Further Explanation, See Basille et al. 2002
Millimeter data calculated by $mm = 2^{(-\phi)}$

Reciprocal Absolute Relative Dispersion (RARD) Scale	
< 0.5	Excellent homogeneity (e.g., beaches)
0.5 to 1.0	Good homogeneity
1.0 to 1.33	Fair homogeneity
> 1.33	Poor homogeneity (e.g., glacial)



DD-17



Carbonate Grain Size Distribution

Onshore Grab Sample

Sample: DD-17

Total Carbonate Mass: 27.671 grams

% Carbonate: 44.7 %

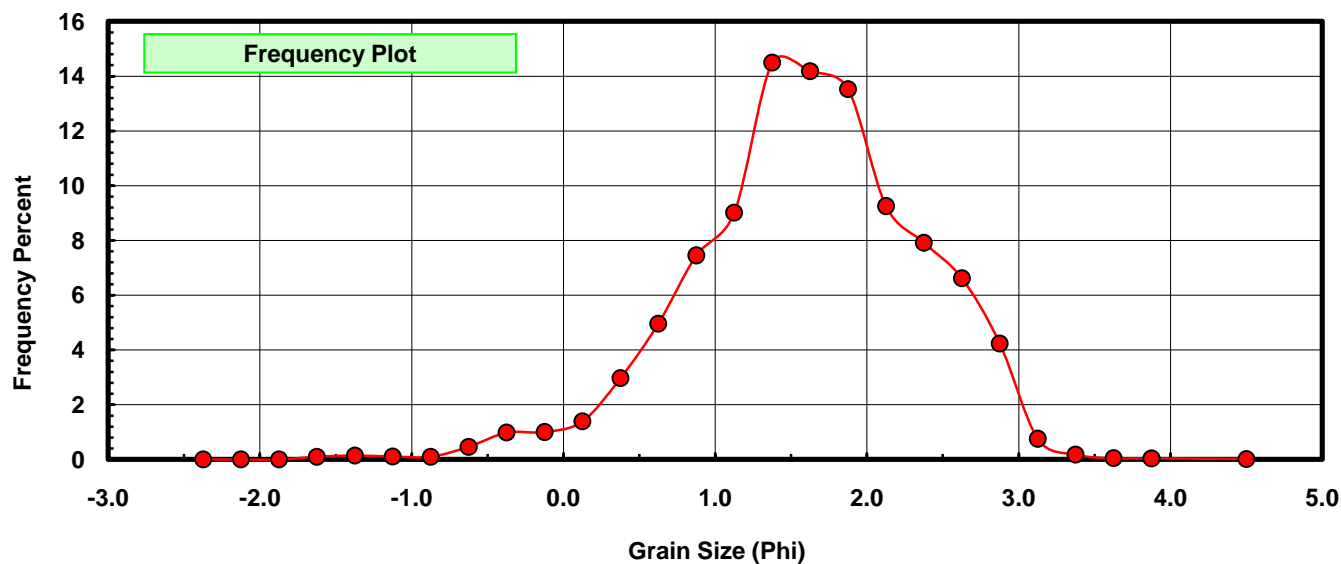
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.028	0.101	0.101
-1.25	-1.375	0.040	0.145	0.246
-1.00	-1.125	0.030	0.108	0.354
-0.75	-0.875	0.028	0.101	0.455
-0.50	-0.625	0.129	0.466	0.922
-0.25	-0.375	0.272	0.983	1.905
0.00	-0.125	0.278	1.005	2.909
0.25	0.125	0.386	1.395	4.304
0.50	0.375	0.823	2.974	7.278
0.75	0.625	1.374	4.965	12.244
1.00	0.875	2.063	7.455	19.699
1.25	1.125	2.494	9.013	28.712
1.50	1.375	4.011	14.495	43.208
1.75	1.625	3.924	14.181	57.389
2.00	1.875	3.744	13.530	70.919
2.25	2.125	2.561	9.255	80.174
2.50	2.375	2.192	7.922	88.096
2.75	2.625	1.832	6.621	94.716
3.00	2.875	1.172	4.235	98.952
3.25	3.125	0.210	0.759	99.711
3.50	3.375	0.049	0.177	99.888
3.75	3.625	0.013	0.047	99.935
4.00	3.875	0.012	0.043	99.978
5.00	4.500	0.006	0.022	100.000

Statistical Results			
Mean:	1.5948	phi	(0.3311 mm)
Standard Dev:	0.7683	phi-units	(0.5871 mm)
Skewness:	-0.4599	dimensionless	
Kurtosis:	3.5353	dimensionless	
5th Moment:	-5.5621	dimensionless	
6th Moment:	25.9026	dimensionless	
RARD *	0.4817	dimensionless	
Median	1.4947	phi	(0.3548 mm)

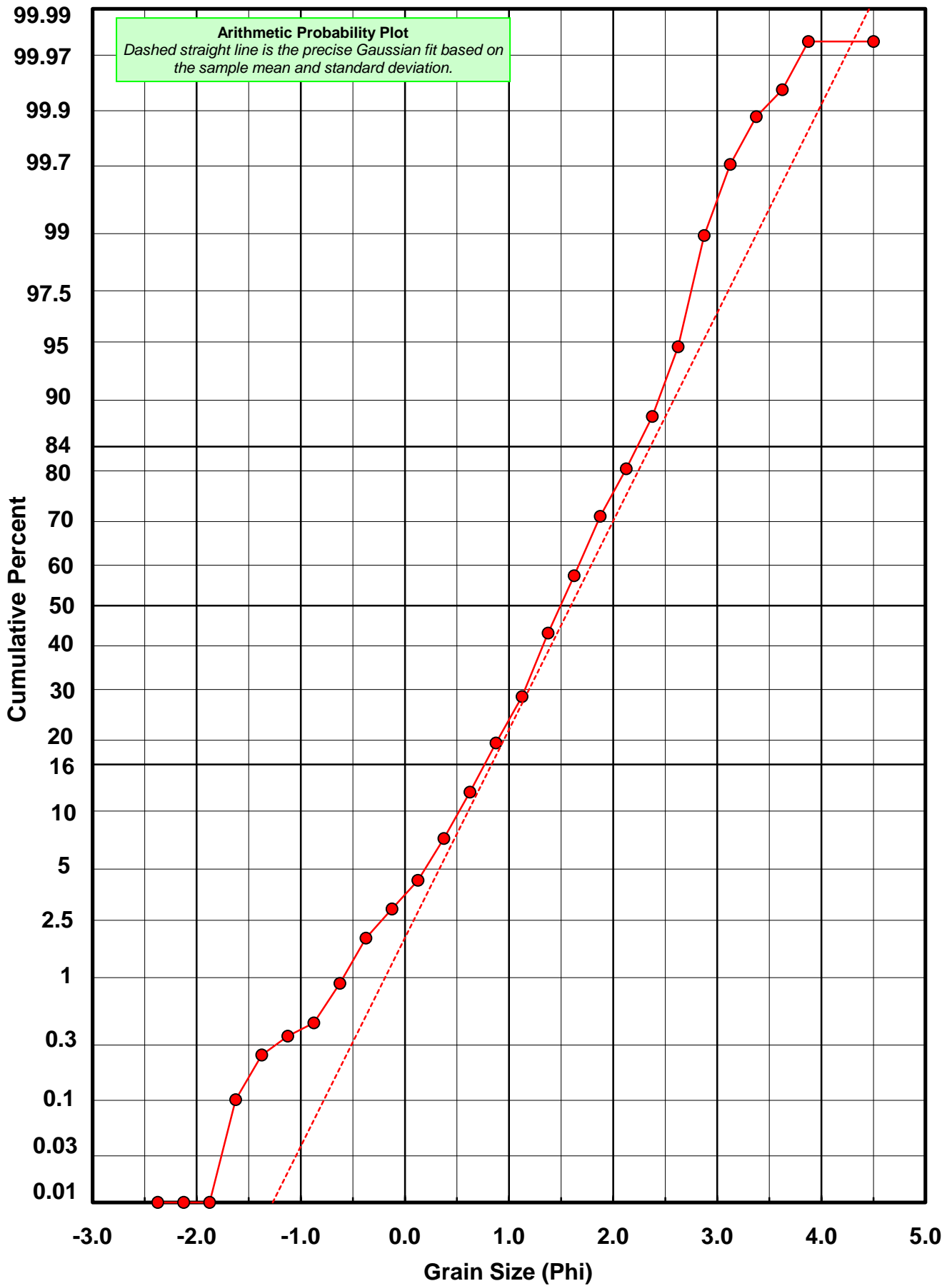
* RARD = reciprocal absolute relative dispersion (see below)

Statistical Explanation	
Calculations based on the Method of Moments	
Skewness: 3rd Stand. Moment; Exact Gaussian = 0.0	
Kurtosis: 4th Stand. Moment; Exact Gaussian = 3.0	
For Further Explanation, See Basille et al. 2002	
Millimeter data calculated by $mm = 2^{(-\phi)}$	

Reciprocal Absolute Relative Dispersion (RARD) Scale	
< 0.5	Excellent homogeneity (e.g., beaches)
0.5 to 1.0	Good homogeneity
1.0 to 1.33	Fair homogeneity
> 1.33	Poor homogeneity (e.g., glacial)



DD-17



Post-Digestion Grain Size Distribution

Onshore Grab Sample

Sample: DD-17

Total Digested Mass: 34.197 grams

% Silica: 55.3 %

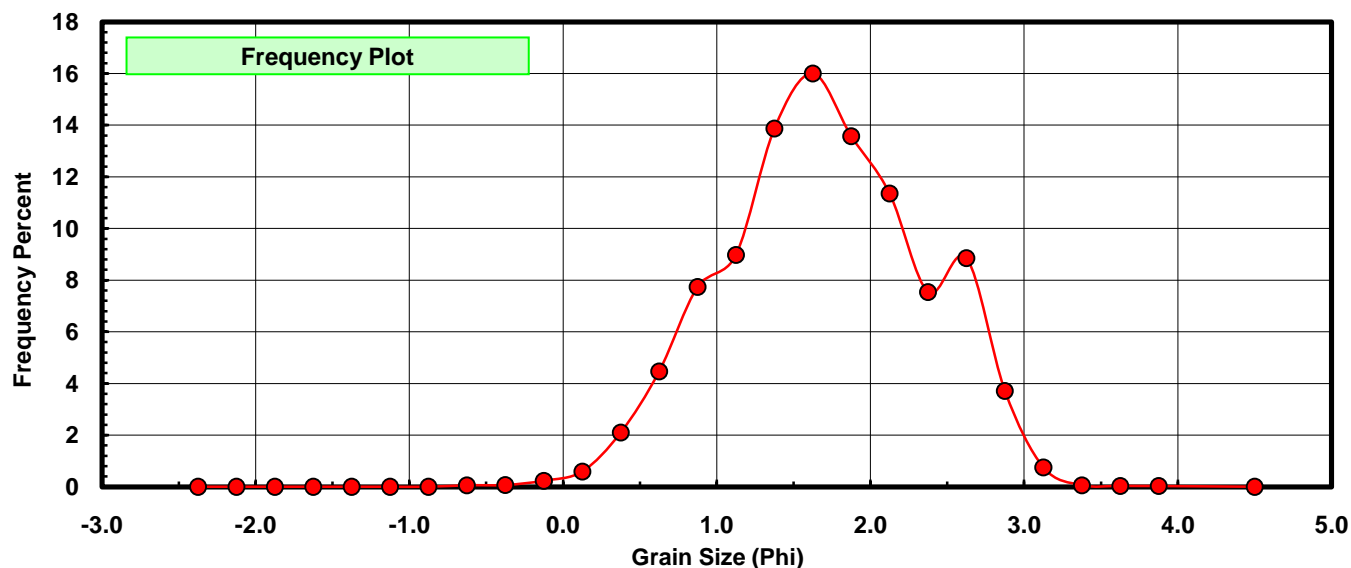
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.019	0.056	0.056
-0.25	-0.375	0.023	0.067	0.123
0.00	-0.125	0.080	0.234	0.357
0.25	0.125	0.203	0.594	0.950
0.50	0.375	0.718	2.100	3.050
0.75	0.625	1.527	4.465	7.515
1.00	0.875	2.647	7.740	15.256
1.25	1.125	3.071	8.980	24.236
1.50	1.375	4.744	13.873	38.109
1.75	1.625	5.472	16.001	54.110
2.00	1.875	4.642	13.574	67.684
2.25	2.125	3.881	11.349	79.033
2.50	2.375	2.577	7.536	86.569
2.75	2.625	3.027	8.852	95.421
3.00	2.875	1.267	3.705	99.126
3.25	3.125	0.258	0.754	99.880
3.50	3.375	0.021	0.061	99.942
3.75	3.625	0.011	0.032	99.974
4.00	3.875	0.009	0.026	100.000
5.00	4.500	0.000	0.000	100.000

Statistical Results			
Mean:	1.6965	phi	(0.3085 mm)
Standard Dev:	0.6579	phi-units	(0.6338 mm)
Skewness:	-0.0840	dimensionless	
Kurtosis:	2.5491	dimensionless	
5th Moment:	-0.9798	dimensionless	
6th Moment:	10.2663	dimensionless	
RARD *	0.3878	dimensionless	
Median	1.5608	phi	(0.339 mm)

* RARD = reciprocal absolute relative dispersion (see below)

Statistical Explanation	
Calculations based on the Method of Moments	
Skewness: 3rd Stand. Moment; Exact Gaussian = 0.0	
Kurtosis: 4th Stand. Moment; Exact Gaussian = 3.0	
For Further Explanation, See Basille et al. 2002	
Millimeter data calculated by $mm = 2^{(-\phi)}$	

Reciprocal Absolute Relative Dispersion (RARD) Scale	
< 0.5	Excellent homogeneity (e.g., beaches)
0.5 to 1.0	Good homogeneity
1.0 to 1.33	Fair homogeneity
> 1.33	Poor homogeneity (e.g., glacial)



DD-17

